

# BOREHOLE LOG

<b>Project Name:</b> VANDENBERG AFB IRP: OU 2, Site 20, Landfill 1/Drum Disposal Site 1								
<b>Project Number:</b> 01K78601			<b>Borehole No.:</b> 20-MW-14			<b>Sheet</b> 1 of 2		
<b>Borehole Location:</b> 2099749.57 N, 5801904.31 E						<b>Elevation and Datum:</b> 453.68 feet MSL		
<b>Drilling Contractor:</b> Tri-County Drilling, Inc.			<b>Date Started:</b> 05/13/98			<b>Date Ended:</b> 05/13/98		
<b>Drilling Equipment:</b> CME-550			<b>Total Depth:</b> 51.5 feet			<b>Groundwater Depth:</b> NA		
<b>Drilling Method:</b> Hollow Stem Auger			<b>Sampling Method:</b> Split Spoon			<b>Borehole Diameter:</b> 11 inches		
<b>Driller:</b> M. Ferguson			<b>Borehole Abandonment:</b> Completed as 4" monitoring well					
<b>Hammer Information:</b> Automatic Hammer. 140-lb and 30-inch drop			<b>Logged By:</b> D. Peeler			<b>Checked By:</b> M. Anderson		

Depth (feet)	Lithologic Description	Symbol	USCS	Sample	Sample Number	Blow Counts	Field OVA (ppm)	Remarks
	SILTY SAND, very dark grayish brown (10YR 3/2), moist, fine to medium grained, loose, with silt (30%).		SM				0	Hand augered to 7 feet.
5	CLAYEY SAND, olive brown (2.5Y 4/3), slightly moist, fine to medium grained, medium density, with clay (30%), medium plasticity.		SC				0	
10	SANDY CLAY, olive brown (2.5Y 4/3), slightly moist, stiff, firm, high plasticity, with sand (40%).		CL				0	
15	Same as above, medium plasticity, with sand (25%) and angular shale gravel up to 2" (15%).		CL				0	
	CLAYEY SAND, light olive brown (2.5Y 5/3), dry, loose, with soft clay (40%) and fine gravel (15%).		SC				0	
	Same as above, subrounded to rounded gravel.		SC				0	
20	CLAYEY SAND with GRAVEL, light olive brown (2.5Y 5/3), dry, loose, with soft clay (30%) and subrounded to rounded shale gravel (30%).		SC				0	
25	SANDY CLAY, olive (5Y 5/3), slightly moist, stiff, firm, medium plasticity, with fine sand (>20%) and subangular gravel (<10%).		CL				0	Harder drilling.
	Same as above, increasing sand (30%) and angular to rounded shale and chert gravel up to 1 1/2" (20%).		CL				0	
30	Same as above, moist.		CL				0	








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Sheet 2 of 2

Depth (feet)	Lithologic Description	Symbol	USCS	Sample	Sample Number	Blow Counts	Field OVA (ppm)	Remarks
	Same as above.		CL				0	
35	Same as above, increasing gravel (30%).		CL				0	
	Same as above, olive brown (2.5Y 4/3), soft, high plasticity.		CL				0	
40	GRAVELLY CLAY with SAND, olive brown (2.5Y 4/3), moist, firm, high plasticity, with gravel (30%) and sand (20%).		CL				0	
45	Same as above, olive (5Y 5/3), slightly moist, stiff, low plasticity, with some fine to coarse sand-sized rock fragments and little fine gravel.		CL				0	
50	ROCK, dark brown (10YR 3/3), moist, soft, high plasticity, with sand (25%) and fine, angular, shale gravel (10%).		RX				0	
	Same as above, slightly moist, hard.		RX					Very hard drilling.
55	End of boring at 51.5 feet below ground surface. Groundwater not encountered. Boring completed as 4" monitoring well.							
60								
65								
70								